

## FOG INERTIAL MEASUREMENT UNIT

### U173D



## PROVISIONAL DATASHEET

### GYROS PERFORMANCE

Input range	°/s	300	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.03	white noise PSD
Magnetic response	°/h/Gauss	3	typical

### ACCELEROMETERS PERFORMANCE

Range	g	50
Bias stability	μg	50
Bandwidth	Hz	800

### ELECTRICAL INTERFACE

Initialization	s	1	
Powering	W	3	+5V, ±15V
Data rate	kHz	0.1-4	
Baud rate	kBd	115.2 – 1843.2	RS422, asynchronous

### ENVIRONMENT

Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non-operating
Vibration, RMS	g	6	20 Hz... 2000 Hz
Shocks	g	100	1 ms half-sine

### PHYSICAL PARAMETERS

Dimensions	mm	62x62x50	ISO 2768-m
Weight	gram	250	estimated
Volume	cl (in <sup>3</sup> )	17 (10.4)	
Frame resonance	kHz	> 1	
Housing		Al alloy	